



STATE OF
COLORADO

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HGLO findings and RCE

1 message

Bowles - DNR, Brock <brock.bowles@state.co.us>
To: Miranda Kawcak <mkawcak@peabodyenergy.com>

Mon, Nov 24, 2025 at 11:08 AM

Miranda,
Attached are the MT7 Findings and Reclamation Cost Estimate for the Hayden
Gulch LO, C-1992-081. Please look over the cost estimate and let me know if you have any questions.
Brock

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COLORADO
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Department of Natural Resources

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C-1992-081 MT7 Midterm Findings and RCE.pdf
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COLORADO
Division of Reclamation,
Mining and Safety
Department of Natural Resources

MIDTERM PERMIT REVIEW (MT- 7)
for
Hayden Gulch Terminal, LLC

Hayden Gulch Loadout

Permit No. C-1992-081



November 24, 2025

Michael A. Cunningham, Director

Prepared by

Brock Bowles

In Fulfillment of C.R.S. 34-33-115 and the following
Regulations of the Colorado Mined Land Reclamation Board for Coal Mining:
Rules 2.08.3, 2.06.2, 2.06.3, 2.06.5, 2.06.7 and 3.02.2

Introduction

This document presents the results of the Midterm Review of the Hayden Gulch Loadout permit, conducted by the Colorado Division of Reclamation, Mining and Safety (Division). The Hayden Gulch Loadout is owned and operated by Hayden Gulch Terminal, LLC. This Midterm Review was conducted to fulfill the requirements of the Colorado Surface Coal Mining Reclamation Act (Act), and Rules 2.08.3, 2.06.2(9), 2.06.3(4), 2.06.5(3), 2.06.7(5), and 3.02.2(4) of the Rules and Regulations of the Colorado Mined Land Reclamation Board for Coal Mining (Rules), which were promulgated to implement the Act.

Rule 2.08.3 requires that the Division conduct a review of each permit issued not later than the middle of the permit term. Based on this review, for good cause shown, the Division may require reasonable revisions to, or modifications of, the permit provisions to ensure compliance with the Act and Regulations.

Rules 2.06.2, 2.06.3, 2.06.5, and 2.06.7 require that during the midterm review, where applicable, experimental practices, mountaintop removal variances, variances from approximate original contour (AOC), and variances from contemporaneous reclamation, respectively, be reviewed by the Division.

Rule 3.02.2(4) requires that the Division review the amount of performance bond liability and the terms of acceptance of the bond every 2½ years.

This Midterm Review consisted of a detailed review of the Hayden Gulch Loadout permit application package and previous Division findings of compliance to ensure that the proposed operation is in compliance with the Rules and Act. The Division also reviewed all subsequent revisions and stipulation responses to ensure that all permit commitments and conditions were being followed. Problems and observations from past Division inspection reports were also considered.

The document has seven sections.

- Section I contains a brief description of the mine history and the surrounding environment.
- Section II contains a summary of permit actions since the last Permit Renewal.
- Section III is a summary of the Division's review of the active stipulations attached to the permit.
- Section IV is a summary of the review of any previously approved experimental practices, mountaintop removal variances, variances from approximate original contour (AOC), and variances from contemporaneous reclamation.
- Section V summarizes any enforcement actions issued since the permit was last renewed, and the current status of any actions that were issued.
- Section VI is a summary of the review and a discussion of any problems identified as a result of this review that are required to be resolved.
- Section VII is a summary of the review of the reclamation cost estimate and the performance bond(s) held by the Division.

Section I - Mine History and the Environment

Mine Status and History

The Hayden Gulch Loadout is located in Routt County, approximately two miles southeast of the town of Hayden. The Hayden Gulch Loadout was originally a part of the Hayden Gulch Mine (Permit No. C-1980-003), located approximately seven miles to the south of the Hayden Gulch Loadout. The permit for the Hayden Gulch Mine was terminated on October 23, 2006. The history of the Hayden Gulch Loadout's permit is listed below.

Previous Permit

- Construction of loadout begins, March, 1978
- Hayden Gulch Mine begins operations, August, 1978
- Hayden Gulch Company submits application for reclamation Permit for Hayden Gulch Mine and loadout, December 16, 1980
- Division issues Permit No. C-1980-003 for Hayden Gulch Mine and loadout, January 4, 1981
- Permit No. C-1980-003 renewed, January 4, 1987
- Coal shipping from Loadout ceases, January 13, 1987
- Permit No. C-1980-003 renewed, January 4, 1992
- Hayden Gulch Terminal, Inc. purchases Loadout from Hayden Gulch Coal Company, September 28, 1992

New permit (C-1992-081) for Hayden Gulch Loadout

- Division receives Hayden Gulch Terminal, Inc.'s application, December 15, 1992
- Division issues Proposed Decision to Approve new permit, C-1992-081, April 22, 1993
- Permit No. C-1992-081 renewed (RN-01), May 29, 1998
- Permit No. C-1992-081 renewed (RN-02), May 19, 2003
- Permit No. C-1992-081 renewed (RN-03), December 3, 2008
- Permit No. C-1992-081 renewed (RN-04), February 11, 2014
- Permit No. C-1992-081 renewed (RN-05), February 5, 2018

This Midterm Review is due on November 22, 2025.

Section II - Revisions to the Permit

The following is a summary of the revisions to the permit since the Permit Renewal No. 6 Findings Document dated August 4, 2023.

<u>Revision No.</u>	<u>Approval date</u>	<u>Nature of revision</u>
SL-3	1/3/2024	Phase I, II, and III Bond Release
MR-28	11/22/2024	Sediment Control Plan Update

Section III - Status of Stipulations

The stipulation history for the Hayden Gulch Loadout was reviewed as part of the midterm review. The review included an investigation of any stipulations imposed since the last permit renewal, and any responses to existing stipulations received since the last permit renewal. Any stipulations associated with this permit and issued over the life of this operation which are not discussed in this midterm review have been complied with or terminated.

There are no outstanding stipulations as of this review.

Section IV – Permit Variances and Specific Approvals

There are no specific variances and approvals by the Division for the Hayden Gulch Loadout.

Section V - Enforcement Actions

No enforcement actions were taken during this review period.

Section VI - Identified Issues and Required Revisions

2.03.4 Identification of Interests

1. Please review ownership and control information provided in Attachment 3-2 - Owner, Officer and Director Information of the permit and provide any necessary updates.
2. Please review and update the Appendix 3-3 Surface Ownership information. Ensure that any entity/person listed in this section of the permit has their property correctly depicted and labeled on Map 3-1, and the contact information for all landowners is current.
3. Please review and update the Exhibit 3-2 Mineral Ownership information. Ensure that any entity/person listed in this section of the permit has their property correctly depicted and labeled on Map 3-2, and the contact information for all landowners is current

2.03.10 Other Licenses and Permits

4. Please review section 2.03.10 of the permit and revise the section if necessary to document any new permits obtained or renewal/issuances of permits currently held.

2.04.11 Fish and Wildlife Resources

5. Please update Tab 21- Fish and Wildlife Plan to address any species that may be on the Federal and State listed species of concern (Threatened, Endangered and Candidate species) that may be found within the permit area. For any new species not discussed in the relevant permit sections,

please update permit Tab 21 of the permit in accordance with Rule 2.05.6(2)(a)(iii). To find the most up to date lists, the following websites may be useful:

USFWS- <http://www.fws.gov/endangered/>

CPW- <http://cpw.state.co.us/learn/Pages/SOC-ThreatenedEndangeredList.aspx>

2.05.3 Operations Plan- Permit Area

6. The majority of the permit and disturbed areas have been released through SL1, SL2, and SL3. The remaining permit area is the northern section of the railroad spur, situated between the railroad mainline and the Hayden Trailhead, encompassing 6.8 acres of permit area and 2.3 acres of disturbance. It is important to note that the approval of an SL does not automatically update the permit maps. Updated maps showing the new permit and disturbance boundaries must be submitted for review through a separate technical revision. At the time of this review, new maps reflecting the revised permit and disturbance areas have not been submitted for review and approval into the permit.

Section VII – Reclamation Liability and Performance Bonding

The Division estimates the reclamation liability for mining operations to be \$26,631.00. The Division currently holds a Corporate Surety in the amount of \$38,436.00 for the Hayden Gulch Loadout. The current bond held exceeds the reclamation liability by \$11,805.

This concludes the 2025 Midterm Review of the Hayden Gulch Loadout. Please submit any required revision applications responding to the issues outlined in Section VI on or before December 23, 2025.

A copy of the reclamation cost estimate is attached.

COST SUMMARY WORK

Task description: Sitewide Reclamation- 2.3 acres

Site: Hayden Gulch Loadout

Permit Action: MT7

Permit/Job#: C1992081

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 11/20/2025

County: Routt

Filename: C081-000

User: BFB

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
002	Regrade Rail Spur- 1,900'	DOZER	1	29.06	\$15,322
004	Topsoil Rail Spur- 1,900'	DOZER	1	1.96	\$1,032
032	Drill Seed Mix #2- subirrigated pasture	REVEGE	1	3.00	\$1,269
045	Mob/Demob- Reclaim 2.3 ac rail spur	MOBILIZE	1	3.60	\$3,137
<u>SUBTOTALS:</u>				37.62	\$20,760

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02
Performance bond: 1.05
Job superintendent: 18.81
Profit: 10.00

Total = \$419
Total = \$218
Total = \$1,413
Total = \$2,076

TOTAL O & P = \$4,127

CONTRACT AMOUNT (direct + O & P) = \$24,887

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$500
Engineering work and/or contract/bid preparation: 0.00
Reclamation management and/or administration: 5.00

Total = \$500
Total = \$0
Total = \$1,244

CONTINGENCY: 0.00 Total = \$0

TOTAL INDIRECT COST = \$5,871

TOTAL BOND AMOUNT (direct + indirect) = \$26,631

BULLDOZER WORKTask description: **Regrade Rail Spur- 1,900'**Site: **Hayden Gulch Loadout**Permit Action: **MT7**Permit/Job#: **C1992081****PROJECT IDENTIFICATION**Task #: **002**State: **Colorado**Abbreviation: **None**Date: **11/20/2025**County: **Routt**Filename: **002**User: **BFB**Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**

Basic Machine: **Cat D10T - 10SU**
 Horsepower: **574**
 Blade Type: **Semi-Universal**
 Attachment: **3-shank ripper**
 Shift Basis: **1 per day**
 Data Source: **(CRG)**

Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	\$266.69	NA
Operating Cost/Hour:	\$196.65	100
Ripper own. Cost/Hour:	\$25.88	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$38.02	NA

Total unit Cost/Hour: **\$527.24**
 Total Fleet Cost/Hour: **\$527.24**

MATERIAL QUANTITIES

Initial Volume: **19,000**
 Swell factor: **1.125**
 Loose volume: **21,375 LCY**

Source of estimated volume: **Division of Reclamation, Mining & Safety**
 Source of estimated swell factor: **Cat Handbook**

HOURLY PRODUCTION

Average push distance: **100 feet**
 Unadjusted hourly production: **1,718.9 LCY/hr**

Materials consistency description: **Compacted fill or embankment 0.9**

Average push gradient: **0 %**
 Average site altitude: **6,400 feet**

Material weight: **2,650 lbs/LCY**Weight description: **Decomposed rock - 25% Rock, 75% Earth****Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	0.900	(CAT HB))
Dozing method:	1.100	(50% SL)
Visibility:	1.000	(AVG.)

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4279

Adjusted unit production: 735.52 LCY/hr

Adjusted fleet production: **735.52** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.717/LCY

Total job time: **29.06** Hours

Total job cost: **\$15,322**

BULLDOZER WORKTask description: Topsoil Rail Spur- 1,900'Site: Hayden Gulch LoadoutPermit Action: MT7Permit/Job#: C1992081**PROJECT IDENTIFICATION**Task #: 004State: ColoradoAbbreviation: NoneDate: 11/20/2025County: RouttFilename: C081-004User: BFBAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D10T - 10SUHorsepower: 574Blade Type: Semi-UniversalAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$266.69	NA
Operating Cost/Hour:	\$196.65	100
Ripper own. Cost/Hour:	\$25.88	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$38.02	NA

Total unit Cost/Hour: \$527.24Total Fleet Cost/Hour: \$527.24**MATERIAL QUANTITIES**Initial Volume: 1,577Swell factor: 1.215Loose volume: 1,916 LCYSource of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 150 feetUnadjusted hourly production: 1,243.2 LCY/hrMaterials consistency description: Consolidated stockpile 1.0Average push gradient: 0 %Average site altitude: 6,400 feetMaterial weight: 1,600 lbs/LCYWeight description: Top Soil**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	1.000	(CAT HB)
Dozing method:	1.100	(50% SL)
Visibility:	1.000	(AVG.)

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.7877

Adjusted unit production: 979.27 LCY/hr

Adjusted fleet production: **979.27** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.538/LCY

Total job time: **1.96** Hours

Total job cost: **\$1,032**

REVEGETATION WORKTask description: **Drill Seed Mix #2- subirrigated pasture**Site: **Hayden Gulch Loadout**Permit Action: MT7Permit/Job#: C1992081**PROJECT IDENTIFICATION**Task #: 032State: ColoradoAbbreviation: NoneDate: 11/20/2025County: RouttFilename: 032User: BFBAgency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Triple superphosphate, 0-46-0	50.00	pound	\$0.94	\$46.93
			Total Fertilizer Materials Cost/Acre	\$46.93

Application

Description	Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)	\$46.17
Total Fertilizer Application Cost/Acre	\$46.17

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$114.13
Total Tilling Cost/Acre	\$114.13

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Orchardgrass - Latar	1.00	12.40	\$4.80
Meadow Brome - Regar	4.00	3.67	\$23.04
Wheat, Winter - Tam 107	20.00	18.37	\$11.07
Red Top	0.10	11.46	\$1.07
Reed Canarygrass - Palaton	0.25	2.90	\$2.77
Timothy - Climax	0.50	14.35	\$2.13
Totals Seed Mix	25.85	63.14	\$44.87

Application

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Description	Cost /Acre
Drill Seeding (DRMS Survey Cost)	\$242.30
Total Seed Application Cost/Acre	\$242.30

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description	Cost /Acre
Weed spray, truck, aquatic area, nox. [DMG]	\$81.67
Total Mulch Application Cost/Acre	\$81.67

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre					\$0.00

JOB TIME AND COST

No. of Acres: 2.3 Cost /Acre: \$576.07
 Estimated Failure Rate: 20% Cost /Acre*: \$368.84
 *Selected Replanting Work Items: SEEDING,MULCHING

Initial Job Cost: **\$1,324.96**
 Reseeding Job Cost: **\$169.67**
 Total Job Cost: **\$1,495**
 Job Hours: **3.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mob/Demob- Reclaim 2.3 ac rail spur**Site: **Hayden Gulch Loadout**Permit Action: MT7Permit/Job#: C1992081**PROJECT IDENTIFICATION**Task #: 045State: ColoradoAbbreviation: NoneDate: 11/20/2025County: RouttFilename: 045User: BFBAgency or organization name: DRMS**EQUIPMENT TRANSPORT RIG COST**Shift basis: 1 per dayCost Data Source: CRG DataTruck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED,
400 HP (2ND HALF, 2006)Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT
TRAILER (25T, 50T, AND 100T)**Cost Breakdown:**

Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons
Ownership Cost/Hour:	\$21.47	\$38.32	\$48.96
Operating Cost/Hour:	\$31.47	\$60.11	\$65.86
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52
Helper Cost/Hour:	\$0.00	\$22.25	\$22.25
Total Unit Cost/Hour:	\$75.46	\$143.20	\$159.59

NON ROADABLE EQUIPMENT:

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Cat D10T - 10SU	84.53	\$266.69	\$159.59	1	\$426.28	\$159.59	\$500.00
Drill/Broadcast Seeder with Tractor	25.00	\$5.99	\$75.46	1	\$81.45	\$75.46	\$250.00

Subtotals: **\$507.73** **\$235.05** **\$750.00****ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Fuel Tanker, 4x2, 170 HP	\$33.68	1	\$33.68	\$33.68

Subtotals: **\$33.68** **\$33.68**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	<u>HAYDEN</u>	
Total one-way travel distance:	<u>10.00</u>	miles
Average Travel Speed:	<u>25.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$3,109.68</u>
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$26.94</u>
** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>0.40</u>	<u>0.40</u>
Return Time (Hours):	<u>0.40</u>	<u>0.40</u>
Loading Time (Hours):	<u>0.50</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.50</u>	<u>NA</u>
Subtotals:	<u>1.80</u>	<u>0.80</u>

JOB TIME AND COST

Total job time:	<u>3.60</u>	Hours
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Total job cost:	<u>\$3,137</u>
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